

## **SIMPLE & COMPOUND INTEREST**

1. Rs. 50,000 is invested for two years under simple interest at 10% p.a. Find the interest earned (in Rs.)  
a) 1000                      b) 2000  
c) 500                        d) 1050
2. What sum will yield an interest of Rs. 3060 in six years at 5% p.a. simple interest?  
a) Rs. 8400                b) Rs. 7650  
c) Rs. 12100               d) Rs. 10200
3. A certain sum lent at simple interest amounts to Rs. 34,800 in five years and to Rs. 41,280 in eight years. Find the rate of interest.
4. A sum of money becomes five times itself at simple interest. If the time period (in years) is numerically equal to the rate of interest, find the annual rate of interest.  
a) 25%    b) 20%                      c) 30%                      d) 15%
5. The difference between the simple interest received from two different sources on Rs1500 for 3 years is Rs13. 50. The difference between their rates of interest is:  
a) 0.4%    b) 0.3%                      c) 0.2%                      d) 0.1%
6. Arun lent Rs. 7000 to Barun for 3 years and Rs. 4000 to Varun for 2 years on simple interest and at same rate of interest. If Arun received Rs. 3000 as total interest from both, what is the rate of interest?  
a) 10. 37% p.a.            b) 17. 6% p.a.  
c) 19. 3% p.a.            d) 12. 4% p.a.  
e) 10. 81% p.a.
7. In how many years will a sum of money become sixteen times itself at 50% p.a. simple interest?  
a) 25            b) 40                      c) 30                      d) 50
8. An amount becomes 4 times in 9 years when invested under SI at a certain rate. In how many years will the amount become 8 times of the original amount at the same rate?
9. An equal amount of sum is invested in two schemes for 5 years each, both offering simple interest. The interest amount obtained at 16% is Rs. 1000 more than that obtained at 12%. What is the total sum invested?  
a) Rs. 4500                b) Rs. 6000  
c) Rs. 9000                d) Rs. 5000                e) None
10. Baba borrowed some money at the rate of 6% p.a. for the first two years, at the rate of 9% p.a. for the next three years, and at the rate of 14% p.a. for the period beyond five years. If he pays a total interest of Rs. 11,400 at the end of nine years, how much money did he borrow?
11. Rs. 15000 is invested for two years under compound interest at 10% p.a., interest being compounded annually. Find the interest earned (in Rs.).
12. Suman invested Rs. 1,00,000 for 3 years, interest being compounded annually. If the rate of interest is 8%, 10% and 12% for the 1<sup>st</sup> year, 2<sup>nd</sup> year, and 3<sup>rd</sup> year respectively, find the interest earned by Suman.
13. A sum under compound interest, interest being compounded annually amounts to Rs. 8000 in two years and Rs. 9600 in three years. Find the rate of interest.  
a) 15% p.a.                b) 18% p.a.  
c) 20% p.a.                d) 10% p.a.
14. On a certain sum of money the compound interest for 2 years is Rs. 282.15 and the simple interest for the same period of time is Rs. 270. The rate of interest per annum is :  
a) 12.15%    b) 9%                      c) 10%                      d) 6. 07%